4-BUTTON
AUTOMATIC / MANUAL TRANSMISSION
REMOTE STARTER

AS-1454/AS-1455

User Guide

WARNING

It is the responsibility of the vehicle operator to ensure their vehicle is parked in a safe and responsible manner.

1. **a) Manual transmission:** When leaving the vehicle, it is the user's responsibility to ensure that the gearshift lever is in the NEUTRAL position and the parking brake is engaged in order to avoid accidents upon remote starting.
   b) Automatic transmission: When leaving the vehicle, it is the user's responsibility to ensure that the gearshift lever is in "Park" in order to avoid accidents upon remote starting.
   (**Note:** Make sure that the automatic vehicle cannot start in "Drive".)
2. It is the user's responsibility to ensure that the remote starter is disabled or put into valet mode before servicing.

INDUSTRY CANADA USER NOTICE:
Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.
To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (EIRP) is not more than that required for successful communication.
NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

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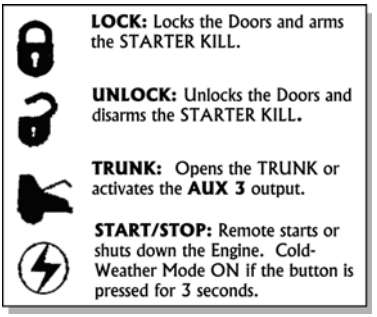
Introduction

This module is a state-of-the-art remote car starter system. With many advanced functions, this product will satisfy any one of the user's expectations from high-end commodity systems, without neglecting the standard features commonly offered by entry-level starters.

Basic Remote Operation

Your remote car starter can operate two independent vehicles equipped with an identical remote car starter (see **multi-car operation** on page 9).

The functions of the transmitter are as follows:


LOCK: Locks the Doors and arms the STARTER KILL.
UNLOCK: Unlocks the Doors and disarms the STARTER KILL.
TRUNK: Opens the TRUNK or activates the **AUX 3** output.
START/STOP: Remote starts or shuts down the Engine. Cold-Weather Mode ON if the button is pressed for 3 seconds.

Pressing the LOCK and UNLOCK buttons simultaneously will activate the AUX 2 output.

For certain vehicles:

- Pressing and holding the LOCK button for more than 3 seconds will lock all doors and will send a constant pulse as long as the LOCK button is held down (maximum of 15 seconds). This constant pulse can be configured to activate certain functionalities such as rolling up the windows – **Please refer to your installer to see if your vehicle is compatible with this option.**
- Pressing and holding the UNLOCK button for more than 3 seconds will unlock all doors and will send a constant pulse as long as the UNLOCK button is held down (maximum of 15 seconds). This constant pulse can be configured to activate certain functionalities such as rolling down the windows – **Please refer to your installer to see if your vehicle is compatible with this option.**

Vehicle Presets

Heater and Heated Seat

When leaving the vehicle it is recommended to preset the accessory controls in preparation for the next remote start. Settings for the blower motor (fan), front and rear, as well as heated seats (if equipped) should not be left on HIGH. It is recommended to leave the settings on LOW or MEDIUM instead.

Windshield Wipers, Radio and Headlights

Certain vehicles require the radio and / or windshield wipers and / or headlight circuits to become energized while running under remote start. When leaving the vehicle you must ensure that the windshield wipers and headlight switches are OFF. Leaving the headlight

switch ON on certain types of vehicles could cause them to remain ON even after the remote starter shuts down, resulting in a dead battery.

Arming the Starter Kill

If installed, the Starter Kill can be programmed to arm in Active Mode (will not arm automatically) or in Passive Mode (will arm automatically).

- To **disarm** the Starter Kill in Active or Passive Mode, press the **UNLOCK** button on the transmitter. The parking lights will flash twice. (If Remote Door Locks were installed, this will also unlock the doors.) In Passive Mode, the system will automatically rearm 1 or 3 minutes after the doors were unlocked.
- To **arm** the Starter Kill in Active or Passive Mode, press and hold the **LOCK** button on the transmitter. The parking lights will flash once. (If Remote Door Locks were installed, this will also lock the doors). In Passive Mode, the system will automatically arm 1 or 3 minutes after the engine is shut down.

Remote starting Your Vehicle

If your vehicle has an **automatic transmission**, simply press the **START** button to remote start or stop your vehicle. Skip the next steps on to "Remote starting".

Warning: If you vehicle has an automatic transmission and the parking lights flash 15 times after pressing the **START** button, the parking brake is connected to ground. It is **imperative** that you see your installer and have him disconnect the wire.

Setting Your Vehicle into Ready Mode

If your vehicle has a **manual transmission** you must read the following indications. In order to start the vehicle by remote, the unit must first be set to Ready Mode. If the unit is not set to Ready Mode, it cannot remote start the vehicle.

Please note that Ready Mode can be enabled by the remote or the handbrake, depending on the option that was selected by your installer. Therefore, you must follow the appropriate procedure between the two described below in order to set your vehicle into Ready Mode.

Once the system is set to Ready Mode, the vehicle can be remote started and stopped at any time. The system will exit Ready Mode if a door, the hood or the trunk is opened, if the brake pedal is pressed, if the parking brake is disengaged or if the ignition key is turned to the **IGNITION ON (RUN)** position.

To set the system to Ready Mode:

	If Ready Mode is enabled by remote	If Ready Mode is enabled by handbrake
1.	Ensure that all the doors, hood and trunk are closed. Make sure that the gear selector is in the neutral position.	
2.	With the engine already running, apply the parking brake **once** and release the brake pedal. **Make sure to release the brake pedal.**	2. With the engine already running, apply the parking brake **twice** and release the brake pedal. **Make sure to release the brake pedal.** **The parking lights will flash 3 times quickly and remain lit.** **Skip to step 4.**
3.	Within 20 sec. of engaging the parking brake, press and hold **LOCK**, **UNLOCK** or **START/STOP** on the transmitter. **The parking lights will flash 3 times**	-

	quickly and remain lit.	
4.	Remove the key: the engine will continue running.	
5.	Exit the vehicle and close all doors, hood and trunk.	
6.	Press for approx. 1 second either: a. **LOCK** to lock the doors and shut down the engine; b. **UNLOCK** to unlock the doors and shut down the engine; c. **START/STOP** to shut down the engine without affecting the doors.	

Remote starting

Press the **START** button for approximately 1 second. The parking lights will come **ON** to inform you that the Remote Car Starter has received your signal. Approximately 5 seconds later, the engine will start. The parking lights will remain **ON** during the pre-programmed run time of the engine.

If the vehicle does not start at the first attempt, the system will shut down, wait a few seconds and try to start the engine again. If your vehicle is equipped with an automatic transmission, there will be 3 start attempts before the system gives up.

Driving Off

With the vehicle running under remote control, press the **UNLOCK** button to **DISARM** and **UNLOCK** the doors (if installed). Enter the vehicle and do the following:

- Turn the ignition key to the **IGNITION ON (RUN)** position.
- Press the brakes to disengage the remote starter unit.

You are now ready to drive off.

Caution: Do **not** turn the key to the **CRANK** position with the engine running. This will cause the starter motor to re-engage, unless your vehicle is equipped with the Starter Kill / Anti-Grind Feature (Optional).

Remote starter features

Idle Mode

Convenience feature: Idle Mode allows you to keep the engine running and the doors locked while you stop, for example, at a convenience store or for a short delivery.

This feature allows you to let the remote starter take over control of the vehicle (i.e. no Key in the Ignition Switch) while the engine is running.

To leave the vehicle in Idle Mode if your vehicle has an automatic transmission:

1. With the engine running, press the **LOCK** or **UNLOCK** button (to unlock the doors) or the **START** button on the remote control until the parking lights come on.
2. Remove the key and exit the vehicle. The engine will go on running.
3. Lock the doors if needed.

The engine will go on running until the user re-enters the vehicle or until the expiration of the Engine Run Time.

If your vehicle has a **manual transmission**, Idle Mode can be activated through the same routine as that used for Ready Mode; at the last step, the **TRUNK** button is pressed instead of the other buttons:

1. Ensure that the doors are all closed and that the gearshift lever is in the **Neutral** position.
2. With the engine already running, apply the parking brake and release the brake pedal.
   Make sure to release the brake pedal.
3. Within 20 sec. push **LOCK**, **UNLOCK** or **START/STOP** on the transmitter. **The parking lights will flash 3 times quickly and remain lit.**
4. Remove the key: the engine will go on running.
5. Exit the vehicle and close the door.
6. Press the **TRUNK** button until the system is armed (the doors will be locked if remote door lock is installed).

If the pre-programmed run time expires or if the user shuts down the engine by remote control, the vehicle will get in Ready Mode.

Caution: Do not leave children or pets unattended in a car in Idle Mode.

Valet Modes

When your vehicle is in Valet Mode, the remote starter functionalities are disabled. If the vehicle needs to be serviced, or if you park it indoors, the Valet Mode will prevent the engine from being remote started accidentally.

Valet Mode using the Valet Button

(If installed)

To put the system *into* Valet Mode:

1. Turn the key to the **IGNITION ON (RUN)** position.
2. Press (for at least 1 second) and release the Valet Button. The LED will come **ON**.

To take the system *out of* Valet Mode:

1. Turn the key to the **IGNITION ON (RUN)** position.
2. Press (for at least 1 second) and release the Valet Button. The LED will go **OUT**.

The Valet button can only be used if the vehicle keys are in the **IGNITION ON (RUN)** position.

Ignition Valet

The system can be placed in Valet Mode to disable the remote starting capabilities. If the vehicle needs to be serviced, or if you park it indoors, Valet Mode will prevent the engine from being accidentally started by remote control.

To *enter* Valet Mode

- With the key in the Ignition switch, turn the key to the **ON (RUN/IGNITION)** and then **OFF** positions 5 times within 10 seconds.
- The Parking Light will flash 3 times indicating the Module is now in Valet Mode. The LED will turn **ON** solid.

To *exit* Valet Mode

- With the key in the Ignition switch, turn the key to the **ON (RUN/IGNITION)** and then **OFF** positions 5 times within 10 seconds.
- The Parking Light will flash twice indicating the Module is now out of Valet Mode. The LED will turn **OFF**.

Panic Mode

Note: Panic Mode can only be activated if the horn has been adequately configured by your installer.

In an emergency situation, you can activate Panic Mode using the LOCK or UNLOCK button. This will:

- shut down the engine,
- unlock the doors (with the UNLOCK button),
- or lock the doors (with the LOCK button),
- disarm the Starter Kill and
- activate the horn for 25 sec.

Note: See the description of the **Starter Kill** option later in this Guide.

To activate Panic Mode:

- Press and hold the UNLOCK button for approximately 3 sec. until the sound signal starts and the parking lights flash: This will unlock the doors before the sound signal starts.
- **Or** press and hold the LOCK button for approximately 3 seconds until the sound signal starts and the parking lights flash: This will lock the doors before the sound signal starts.

Panic Mode will automatically shut down after 25 sec.

Note: To stop Panic Mode before the end of its delay, press the LOCK or UNLOCK button until the sound signal stops.

Cold Weather Mode

When Cold Weather Mode is active, the engine starts every 2 hours and runs for 3 minutes (or for 20 minutes with diesel engines); the routine goes on for a period of 24 hours.

To *enter* Cold Weather Mode:

- With the vehicle already in Ready Mode, press and hold the START/STOP button until the parking lights flash 3 times.

To *exit* Cold Weather Mode, do any one of the following:

- Open the hood.
- Start the engine using the remote control.
- Turn the ignition key to the IGNITION ON (RUN) position.
- Press and hold the START/STOP button for 3 seconds (until the parking lights flash once).
- Set the vehicle to Valet Mode.

Advanced Features: Installation-programmable Options

The system was designed with flexibility and OEM integration in mind. With its programmable options, this unit can single-handedly control nearly any electrical system in your vehicle.

Note: The programming of these features should be left to a professional. Changing any one of the settings may adversely affect the operation of the module.

Remote Door Locks

If your system was installed with the Remote Door Locks option, you will have the convenience of remote keyless entry.

To LOCK your doors and ARM the Starter Kill:

1. Press and hold the LOCK button for approximately 1 sec.

2. The parking lights will flash once and the LED will flash slowly to confirm that the doors have been locked and that the Starter Kill feature is enabled (if it was installed).

To UNLOCK your doors and DISARM the Starter Kill:

1. Press and hold the **UNLOCK** button for approximately 1 sec.
2. The parking lights will flash twice and the LED will go out to confirm that the doors have been unlocked and that the Starter Kill feature is disarmed if it was installed.

Note: If installed and configured in Passive Mode at installation, the Starter Kill feature will rearm automatically 60 seconds after the doors are unlocked. For that reason, you may have to unlock your doors a second time if some time elapses before you actually start the engine.

Priority Door Access

If the remote door locks option is installed on your vehicle, this safety feature allows you to unlock solely the driver's door with a single press of the **UNLOCK** button on the transmitter; upon a second press of the **UNLOCK** button, all the other doors will unlock.

Ignition-controlled Door Locks Option

This is an added security feature. If your system was installed with the Ignition-controlled Door Locks option, the doors will automatically be locked as soon as the user presses the brakes while the ignition key is in the **IGNITION ON (RUN)** position.
When the key is turned to the Ignition **OFF** position, the doors will automatically be unlocked.
(Only available if remote Door Lock Option is installed)

Secure Lock Option

Before it can remote start your vehicle, the module must first disarm the factory security system.
The Secure Lock feature may be required on certain vehicle models with factory security systems that automatically unlock the doors when the security system is disarmed.
To keep your vehicle protected when the factory security system is disarmed for a remote start, Secure Lock will relock your doors as soon as the vehicle has started.
Once the engine run cycle ends, Secure Lock will rearm your factory security system.

Remote Trunk Release Option

If your system was installed with the Remote Trunk Release, you can open your trunk by pressing the **TRUNK** button on the remote transmitter. Vehicles must have an electric **TRUNK** switch or a remote **TRUNK** button on the vehicle's OEM Transmitter for this option to be compatible with the Module.

Starter Kill / Anti-Grind

This added security feature will immobilize your vehicle when the system is armed (LOCKED). If your Module was installed with the Starter Kill option, you will not be able to start your vehicle with the key unless the system has been disarmed first (UNLOCKED).

The Starter Kill option can be programmed to be **ACTIVE** (will not arm automatically) or **PASSIVE** (will arm automatically). In **PASSIVE** Mode, your installer can program it to arm automatically in 1 or 3 minutes.

Once the vehicle has been remote started, the Anti-Grind feature prevents the starter motor from re-engaging when the ignition key is accidentally turned to the **CRANK** position.

Note: Automobile insurance companies sometimes offer a rebate for vehicles with a passive starter kill device.

Engine Run Time

(**Gas 15 minutes, Diesel 20 minutes by default**) If you have a gas engine, your system can be programmed to run the engine for 3, 15, or 25 minutes (15 minutes by default). If you have a diesel engine, it can be programmed to run the engine for 8, 20, or 30 minutes).

Multi-car Operation

This option allows the owner of two vehicles, both equipped with the same Remote Car Starter model, to control both systems with a single remote control. To control the second vehicle, simultaneously press the **TRUNK** button and the button of the function you wish to use.

Note: Your remote control must be configured for second car operation by the installer.

- Press **TRUNK** + **LOCK** buttons simultaneously: ..... **LOCK**
- Press **TRUNK** + **UNLOCK**: ..... **UNLOCK**
- Press **TRUNK** + **START**:..... **START**
- Press **TRUNK** + **STOP**: ..... **STOP**
- Press **TRUNK** + **STARTSTOP** for 3 sec: ..... **Cold Weather Mode**

Troubleshooting Poor Transmitting Range Issues

Many factors may affect the operating range of the transmitter. Some of these are:

- The condition of the battery in the transmitter.
- The operating environment (for example: downtown radio-frequency noise, airports, cellular phone towers…)
- Metal: any type of metal will affect operating range. This includes the metal in the car.
- The shape of the vehicle can affect range as well; vans in general have an especially poor range.
- The shape of the roof and A-pillars brings about considerable radio-frequency deflection (in this case the signal from the remote control). As a result, the direction in which the vehicle is facing in relation to the remote control can affect the range. Straight on – standing in front of the vehicle – generally gives you the greatest range; the second best performance is from the back. Using the remote control from either side of the vehicle will usually give the lowest range.
- The range will be significantly lower in a crowded parking lot than in open space.
- Always hold the transmitter high, approximately at shoulder height.
- The operating range will be somewhat lower on vehicles equipped with an aftermarket or factory alarm.
- Windows and windshields tinted with lead or metallic tints will decrease the operating range.

LIMITED LIFETIME WARRANTY

REMOTE STARTERS:
As the manufacturer, 4366859 Canada Inc. ("Autostart") warrants to the original consumer purchaser only (**non-transferable**) that the remote starter module (control box) shall be free from defects in materials and workmanship **for as long as the original consumer purchaser continuously owns the vehicle in which the remote starter was originally installed**, as specified below:

1) For the first year after the date of manufacture, as specified by the serial number on the module, Autostart will replace the remote starter module free of charge with a new remote starter module.
2) For the second year after the date of manufacture, as specified by the serial number on the module, Autostart will replace the remote starter module free of charge with a repaired or refurbished remote starter module.
3) For the third year and any consecutive year after the date of manufacture, as specified by the serial number on the module, Autostart will provide to the original consumer purchaser a repaired or refurbished remote starter module, for a repair charge of $35.00 plus applicable taxes.

In all cases, the consumer must return the remote starter module to the point of purchase, and must provide a copy of the proof of purchase to said retailer. A remote starter module will be returned to the retailer for the consumer to claim within a 4 (four)-week period. For case (3), a cheque in the amount of $35.00 plus applicable taxes must accompany the remote starter module, or the retailer may refuse the return.

ACCESSORIES:
Autostart warrants to the original consumer purchaser only (**non-transferable**) that it will replace any Autostart accessory part for a one-year period from date of purchase. Accessories will only be replaced if proven defective in material or workmanship, and if, when the accessory is returned to the point of purchase, the retailer is provided with a copy of the proof of purchase. The accessory will be sent to the retailer for the consumer to claim within a 4 (four)-week period.

THE WARRANTY IS VOID IF:

1) The product has been damaged, altered in any way or tampered with, without the explicit written consent of an Autostart technician. For remote starter modules, this includes the opening or removal of the plastic covering of the module, or the removal or alteration of the barcode label on the plastic covering of the module.
2) The product is damaged due to accident, fire, flood, shipping and handling, misuse, neglect, or other conditions beyond the control of Autostart.
3) The product has been installed or repaired by anyone other than a certified technician.
4) The product has been improperly installed or used.

THE WARRANTY DOES NOT COVER:

1) Batteries.
2) Scratched or worn transmitter cases.
3) Installation and/or removal charges for all remote starter modules and accessories.
4) Shipping and handling charges incurred for product exchange or replacement.
5) Any material damages other than to the product itself.
6) Harnessing, L.E.D. lights, switches, inverters, relays, etc.

THIS LIMITED LIFETIME WARRANTY SHALL CONSTITUTE THE SOLE LIABILITY OF AUTOSTART FOR OUR PRODUCTS, AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. THERE ARE NO WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. NO PERSON, FIRM OR CORPORATION IS AUTHORIZED TO ASSUME FOR AUTOSTART ANY OTHER LIABILITY WITH RESPECT TO THE SALE OR USE OF OUR PRODUCTS. AUTOSTART'S LIABILITY, WHETHER BASED ON CONTRACT, TORT, WARRANTY, STRICT LIABILITY, OR ANY OTHER THEORY, SHALL NOT EXCEED THE PRICE OF THE INDIVIDUAL UNIT WHOSE DEFECT FOR DAMAGE IS THE BASIS OF THE CLAIM. UNDER NO CIRCUMSTANCE WILL AUTOSTART, ITS DISTRIBUTORS OR THEIR AGENTS BEAR ANY LIABILITY WHATSOEVER FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

The parties hereto elect that any dispute regarding the present document be submitted to the appropriate Court located in the Province of Quebec, District of Montreal. The parties hereto agree that this document is governed by and interpreted in accordance with the law of Quebec. If the purchaser is located in a province of Canada other than Quebec, all matters dealing with the warranty of quality will be governed by and interpreted in accordance with the law of Ontario. If the purchaser is located outside Canada, all matters dealing with the warranty of quality will be governed by and interpreted in accordance with the United Nations Convention on Contracts for the International Sale of Goods (the "Vienna Convention").